**Quiz 12 Review Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_ Per\_\_\_\_**

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| **Example 1:**  Find the values of x and y. | **YOU TRY 1:**  Given Δ ABC ≅ ΔDEF, find the values of x and y. |
| **Example 2:**  One route along flat terrain from Madison to South Bend is to drive south from Madison for 400 miles to Chicago, then at Chicago to drive east 500 miles to South Bend. If a straight flat road existed between Madison and South Bend, how many miles would it be?  Madison    400 mi    Chicago 500 mi South Bend | **YOU TRY 2:**  One route from Water Tower to Millennium Park is to walk south from Water Tower for 3 miles to Muchin, then at Muchin to walk east for 2 miles to Millennium Park. If a diagonal street existed between Millennium Park and Water Tower, how many miles would it be?  Water Tower    3 mi    Muchin Millennium Park  2 mi |
| **Example 3:**  Classify the triangle below.     1. Equilateral 2. Scalene 3. Isosceles 4. Right 5. Obtuse | **YOU TRY 3:**  Classify the triangle below.   1. Equilateral 2. Scalene 3. Isosceles 4. Right 5. Obtuse |
| **Example 4:**  Graph the given triangle and classify it by its sides. Then determine if it is a right triangle.  *A*(1, 1), *B*(4, 0), *C*(8, 5) | **YOU TRY 4:**  Graph the given triangle and classify it by its sides. Then determine if it is a right triangle.  *A*(2, 2), *B*(6, 2), *C*(4, 8) |
| **Example 5:**  Find the measure of the exterior angle. | **YOU TRY 5:**  Find the measure of the exterior angle. |
| **Example 6:**  Classify the triangle below. | **YOU TRY 6:**  Classify the triangle below. |

**Quiz 12 Review Homework \*\*ALSO DO QUESTIONS 1 – 15 ON GEOMETRY REVIEW PACKET\*\***

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| 1. Find the measure of y. | 2. Classify the triangle below.   1. Equilateral 2. Scalene 3. Isosceles 4. Right 5. Obtuse |
| 3. Classify the triangle below. | 4. Classify the triangle below. |
| 5. Graph the given triangle and classify it by its sides. Then determine if it is a right triangle.  *A*(3, l), *B*(3,4), *C*(7, 1) | 6. Find the measure of the exterior angle. |
| 7. Find the measure of the exterior angle. |
| 8. Which of the following could be the side lengths of a right triangle?   1. 2, 3, 4 2. 3, 4, 7 3. 8, 15, 17 4. 6, 8, 12 5. 7, 30, 35 | 9. One route along flat terrain from Chicago to Urbana is to drive south from Chicago 300 miles to Urbana, then at Urbana, to drive east 200 miles to Bloomington. If a straight flat road existed between Chicago and Bloomington, how many miles would it be?   1. 10 2. 100 3. 10 |